

TECHNIQUES FOR CONFIGURING NETWORK DEVICES WITH CONSISTENT FORMS FOR
GETTING AND SETTING DEVICE PROPERTIES

RELATED APPLICATIONS

This application is a Continuation of and domestic priority under 35 USC § 120 is hereby
5 claimed from prior co-pending application Ser. No. 09/746,673, filed December 21, 2000,
now U.S. Patent No. 6,804,816,
naming as inventors Chunguang (Chris) Liu, Gurminder Singh; Yansheng Jiang, entitled
“Method and template for developing device-centric network management applications,” the
entire disclosure of which is hereby incorporated by reference as if fully set forth herein.

FIELD OF INVENTION

10 The present invention generally relates to network management. The invention relates
more specifically to a method and template for developing device-centric network
management applications using server processes on the network.

BACKGROUND OF THE INVENTION

A network consists of several computing devices connected by certain types of cables
15 in a certain architecture and communicating using a certain protocol. An internetwork, like
the Internet or a telecommunications private branch exchange (PBX), involves the
connection of various networks to each other using one or more networking devices, such as
repeaters, switches, bridges, routers and gateways, to make optimum use of available
bandwidth and to convert as necessary from one protocol to another. Bandwidth is a measure
20 of potential throughput on a cable, measured, for example, in megabits per second.

Some of these network devices involve programmable processors with corresponding
software instruction sets to control operations of the processors. Many of these devices